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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,027	08/02/2006	Juergen Schorn	028987.56655US	9212
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	1 s n a si			
	Application No.	Applicant(s)		
	10/588,027	SCHORN ET AL.		
Office Action Summary	Examiner	Art Unit		
	FORREST M. PHILLIPS	2832		
The MAILING DATE of this communication appeariod for Reply	pears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
 1) Responsive to communication(s) filed on 14 C 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowated closed in accordance with the practice under the condition. 	s action is non-final. nce except for formal matters, pro			
Disposition of Claims				
4) Claim(s) 7-9,11-14,16 and 17 is/are pending in 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 7-9,11-14,16 and 17 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration.			
<u> </u>				
9)⊠ The specification is objected to by the Examine 10)☐ The drawing(s) filed on is/are: a)☐ acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Example 2.	cepted or b) objected to by the I drawing(s) be held in abeyance. See tion is required if the drawing(s) is objection.	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate		

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1.Claims 7-9,12-13,14,16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marocco (US2004050618) in view of DE 20115656 (herein after DE'656) and Arthur et al (US4689952).

With respect to claim 7 Marocco discloses double flow exhaust system for an internal combustion engine comprising:

Two exhaust carrying pipes (532 a and b respectively in figure 16) that are configured to receive gases produced by the internal combustion engine,

at least one muffler and catalyst housing (refer to figure 8 for illustration of catalyst housing) associated with each exhaust gas carrying pipe, each muffler including at least two ports extending therefrom, wherein each port of a muffler is provided for either receiving exhaust gases from another muffler or directing exhaust gases out of the muffler (that is port associated with cross pipes 520 and ports associated with exiting the gas, 534 a and b respectively),

a first mountable connection pipe (530) for fluidically connecting the mufflers of the exhaust gas-carrying-pipes, a second mountable connection pipe (530) for fluidically connecting the mufflers of the exhaust gas carrying pipes, wherein the second Art Unit: 2832

removably mountable connection pipe includes two ports, each port of the second removably mountable connection pipe being configured to be mounted to a port of a respective muffler to muffler noise created by the internal combustion engine.

While Marocco does not disclose expressly wherein the connection pipes are removably mounted, it would have been obvious to one of ordinary skill to make the pipe removable, sine it has been held constructing a formerly integral structure in various elements involves only routine skill in the art. Nerwin v. Erlichman, 168 USPQ 177, 179.

Marocco does not disclose wherein the first connection pipe for fluidically connecting the mufflers is a T-pipe that includes two inlet ports that are oriented along a common axis and an outlet port that is substantially perpendicular to the common axis of the inlet ports, each inlet port of the first removably mounted connection pipe being configured to be removably mounted to a single port of a respective muffler to receive exhaust gases from the muffler and said outlet port being configured to discharge the exhaust gases to a location outside the internal combustion engine.

De '656 discloses a connection pipe including at least two inlet ports and an outlet port (see figure 1) each inlet port being configured to be mounted to a single port of a respective muffler, said outlet being configured to discharge the exhaust gases to a location outside of the internal combustion engine.

Arthur discloses a T-pipe connection between exhaust lines (that is the exhaust manifold combines exhaust flows such that the outer two cylinders (see ports 34 and 36

in figure 2) flow together along a common axis and exit from a third pipe that is substantially perpendicular to the common axis).

At the time of the invention it would have been obvious to one of ordinary skill in the art to combine the teachings of Arthur to use a T-pipe configuration to combine the exhaust flows of the mufflers of Marocco as modified to provide a balanced flow in a small space.

With respect to claims 8 and 13 Marocco as modified further discloses wherein the T-pipe (as taught by DE '656 and Arthur) includes two connecting pieces, each of which includes one of the inlet ports (as taught by DE 656) connectable with a respective muffler, and a third connecting piece that defines the outlet port (inlets 12a and 12b in figure 1, outlet 20 in figure 1 of DE 656) and is usable as a discharge for exhaust gases to outside the engine.

With respect to claims 9 and 14 Marocco as modified further discloses wherein a tail pipe cover is mountable on the third connecting pipe. As the third pipe as taught by DE '656 is a tail pipe, as it is after the mufflers, and is shown as a standard pipe, that is to say a circular pipe, a tail pipe cover would be mountable on the pipe, tail pipe covers are well known in the art.

With respect to claim 12 Marocco further discloses wherein a catalyst is provided for each exhaust line and is partially integrated or received in a muffler housing (see figure 17, and refer also to abstract).

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With respect to claim 17 The method steps of providing components and connecting them are implicit in the product structure taught by Marocco as modified.

2. Claims 11 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marocco (US2004050618) in view of DE 20115656 (herein after DE'656) and Arthur (US4689952) as applied to claims 10 and 15 above, and further in view of Nording (US5907134).

With respect to claims 11 and 16 Marocco as modified discloses a double flow exhaust system according to claims 7 and 13.

Marocco as modified fails to disclose wherein the second connecting pipe includes a joint sliding sleeve that is configured to be coupled to a single port of each muffler.

Nording discloses, an exhaust pipe, comprising connecting pieces that are aligned and coverable by a joint sliding sleeve (16 in figure 1).

At the time of the invention it would have been obvious to one of ordinary skill in the art to combine the teachings of Nording to use a joint sliding sleeve connection with the second connecting pipe of Marocco as modified to provide a sealed joint that allows for thermal expansion and misalignment.

Response to Arguments

Applicant's arguments with respect to claims 7, and 17 and depending, have been considered but are most in view of the new ground(s) of rejection.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to FORREST M. PHILLIPS whose telephone number is (571)272-9020. The examiner can normally be reached on Monday through Friday 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 57127221990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/F. M. P./ Examiner, Art Unit 2832

/Jeffrey Donels/ Primary Examiner, Art Unit 2832